

Efficiently cleaning exhaust gases from  
municipal and industrial waste incinerators

# Wet Process Harmful Acidic Gas Removal System

## Features

- Provides a high-efficiency method for removing hydrogen chloride, sulfur oxides, and dust from exhaust gases.
- Maintains stable performance in the face of variations in the exhaust gas load.
- Features easy operation and maintenance thanks to a simple design.

## Overview

(Technical principles, actions, etc.)

Kurabo's GREATS Wet Process Harmful Acidic Gas Removal System uses a base liquid (such as caustic soda) as an absorbing solution to remove in a highly efficient manner hazardous gases such as hydrogen chloride (HCl) and sulfur oxides (SOx) from exhaust gas produced by municipal and industrial waste incinerators.

The exhaust gas treatment system, which was developed as a flue-gas desulfurization system for boiler exhaust gases, has an established track record in various prominent domestic projects. Kurabo has delivered numerous units for use in municipal waste incinerators in major metropolitan areas such as Tokyo and Osaka.

Additionally, a dehumidification unit that sprays dehumidifier water cooled by a dehumidifying cooler can also be used in combination with a gas reheater or high-temperature air mixing to prevent white smoke emissions from stack. Kurabo also provides equipment for optimizing white smoke prevention in response to outdoor temperature and humidity conditions.

## Introductory Track Record

- Kurabo has installed more than 60 systems, primarily in metropolitan areas such as Tokyo and Osaka.
- Plant A: Municipal waste incinerators (2 incinerators, each with a capacity of 450 tons/day)**



GREATS municipal waste incinerator hazardous gas elimination system

## Effects

- The system is capable of stable, highly efficient removal of hydrogen chloride and sulfur oxides in exhaust gases, even as the load varies.
- Kurabo also offers equipment for optimizing white smoke prevention in response to outdoor temperature and humidity conditions by combining processes such as dehumidification, reheating, and high-temperature air mixing. This capability helps save energy.

Applicable field  
Municipal waste incinerators, industrial waste incinerators  
Local governments and industrial waste treatment companies

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/  
Recycling/  
Resource saving

Air

Soil

Other

**Kurabo Industries Ltd.** Engineering Division 14-41 Shimokida-cho, Neyagawa-shi, Osaka Prefecture 572-0823

● TEL / +81-72-820-7511 ● FAX / +81-72-820-7515 ● E-Mail / pr\_grp@kurabo.co.jp ● <http://www.kurabo.co.jp>